| Inde | ex of | Clair | ns |
|------|-------|-------|----|
|      |       |       |    |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/750 250              | LIAN ET AL                              |

10/750,250

Examiner

HAN ET AL. Art Unit

Caridad M. Everhart

2891

| 1 | Rejected |  |
|---|----------|--|
| = | Allowed  |  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| i | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |          |  |  |        |         |         |          | _        |          |          |            |          |  |                |          |          |          |          | Claim Date           |                    |          |          |            |          |          |          |          |          |          | $\neg$   |          |          |
|----------|----------|--|--|--------|---------|---------|----------|----------|----------|----------|------------|----------|--|----------------|----------|----------|----------|----------|----------------------|--------------------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Cla      | aim      |  |  |        | Da      | ite     |          |          | _        | _        | Claim Date |          |  |                |          |          |          |          |                      |                    | Cla      | aim      | Date       |          |          |          |          |          |          |          |          |          |
| Final    | Original | 9/9/2  |  |        |         |         |          |          |          |          | Final      | Original |  |                |          |          |          |          |                      |                    |          | Final    | Original   |          |          |          |          |          |          |          |          |          |
| 1        | 1        | =  |  |        |         |         |          |          |          |          |            | 51       |  |                |          |          |          |          |                      |                    |          |          | 101        |          |          |          |          |          | $\Box$   |          | $\perp$  |          |
| 2        | 2        | =  |  |        |         |         |          |          |          |          |            | 52       |  |                |          |          |          |          |                      |                    |          |          | 102        |          | $\perp$  |          |          |          |          |          |          |          |
| 3        | 3        | =  |  |        |         | $\perp$ | _        | _        |          |          |            | 53       |  |                |          | _        | $\Box$   |          |                      | $\perp \perp$      | L        |          | 103        |          | ╧        | ┙        |          |          | _        | ┙        | $\perp$  |          |
| 4        | 4        | =  |  |        | $\perp$ | $\perp$ | _        |          |          | _        |            | 54       |  |                | _        |          |          | _        |                      | Ш                  | L        |          | 104        |          | _        | _        | _        | _        |          | _        |          |          |
| 5        | 5        | =  |  | ┸      | ┸       |         | $\perp$  | _        |          | _        |            | 55       |  |                |          |          |          | .        |                      | Ш                  | L        |          | 105        |          | $\perp$  | ┙        | _        | _        | _        | _        |          |          |
| 6        | 6        | =  |  |        |         |         |          |          |          | _        |            | 56       |  |                | _        | _        | _        | _        | _                    | ш                  | L        |          | 106        |          | _        | ↲        | _        | _        | _        | _        |          |          |
|          | 7        | L  | $oxed{oxed}$                                     | 4      | 4.      | 4       | 4        | _        | _        | _        |            | 57       |  |                | _        | _        | _        | _        | _ _                  | $\perp \perp$      | L        |          | 107        |          | _        | _        | _        | _        | _        | _        | 4        |          |
|          | 8        | L  |  | _      | 4       | 4       | 4        |          |          | _        |            | 58       |  |                | _        | _        | _        | -        |                      | 44                 | L        |          | 108        |          | $\dashv$ | 4        | _        | _        | _        | _        | $\dashv$ | _        |
|          | 9        | L  | $\sqcup$   | 4      | _       | 4       | 4        | _        | _        | _        | <u> </u>   | 59       |  |                | _        |          |          | -        | 4                    |                    | L        |          | 109        | $\dashv$ | $\dashv$ | 4        | _        | _        | _        | _        | $\dashv$ | _        |
|          | 10       |  | $\vdash$   | - -    | 4       | - -     | -        | _        |          | _        |            | 60       |  |                | _        | _        | _        | 4        | +                    | $\perp \perp$      | F        |          | 110        |          | -        | 4        |          | ᅴ        |          | -        | $\dashv$ | _        |
|          | 11       | H  | _  | - -    | 4       |         | $\dashv$ | -        |          |          |            | 61       |  |                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$             |                    | ŀ        |          | 111        |          | +        | 4        |          | -        |          | -+       | +        | _        |
| <u> </u> | 12       | H  | $\vdash$   | +      | - -     | +       | -        |          |          |          | -          | 62       | <u> </u>   | $\vdash$       | $\dashv$ | $\dashv$ | $\dashv$ | +        | +                    | +                  | ⊢        |          | 112        |          | +        | 4        |          |          |          |          | +        | _        |
|          | 13       | $\vdash$   | $\vdash$   | +      | +       | +       | +        | $\dashv$ | $\dashv$ | $\dashv$ | <u> </u>   | 63<br>64 | -  | $\vdash$       |          | +        |          | +        | +                    | +                  | F        | _        | 113<br>114 | $\dashv$ | +        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | +        |          |
| -        | 15       | ┢  | $\vdash$   | +      | +       | +       | 4        | -        | -        |          |            | 65       | -  | -              |          | $\dashv$ | $\dashv$ | +        | +                    | +                  | ⊢        |          | 115        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | _        |
| -        | 16       | ⊢  | +  | +      | +       | +       | +        | $\dashv$ | $\dashv$ | $\dashv$ |            | 66       | ├  |                |          | $\dashv$ | -+       | $\dashv$ | +                    | +                  | ┢        | -        | 116        | $\dashv$ | +        | +        | $\dashv$ |          | $\dashv$ | -        | $\dashv$ |          |
| -        | 17       | ┢  | -  | ┰      | +-      | +       | +        | -        | -        | $\dashv$ | -          | 67       | H  |                | $\dashv$ | -+       | -+       |          |                      |                    | H        |          | 117        | -        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _        |
| $\vdash$ | 18       | ├  | $\vdash$   | +      | ┿       | +       | $\dashv$ | -1       | $\dashv$ | $\dashv$ | -          | 68       | H  |                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                      | -{{                | H        |          | 118        | -        | +        | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | ┪        | $\dashv$ | _        |
| $\vdash$ | 19       | $\vdash$   |  | +-     | ╁       |         | $\dashv$ | $\dashv$ |          | $\dashv$ | -          | 69       | H  |                | $\dashv$ | $\dashv$ | $\dashv$ | -+       |                      |                    | -        |          | 119        | -        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        |
|          | 20       |  | $\vdash$   | ╅      | +       | +       | $\dashv$ | $\dashv$ |          | $\dashv$ |            | 70       | <del>                                     </del> |                | $\dashv$ | $\dashv$ | +        | $\dashv$ | +                    | +                  | H        | -        | 120        |          | $\dashv$ | +        | -        | ᅱ        | $\dashv$ | -        | $\dashv$ | _        |
| -        | 21       | ┢  | +  | +      | +       | +       | $\dashv$ | $\dashv$ |          | $\dashv$ | $\vdash$   | 71       | H  |                | -        | -        | 十        | -+       |                      | +                  | -        |          | 121        | $\vdash$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| $\vdash$ | 22       | ┢  |  | ┪      | +       | - -     | 十        | 一        |          | $\dashv$ | $\vdash$   | 72       | Н  |                | $\dashv$ | 1        | $\dashv$ | $\dashv$ | +                    | $\dashv \dashv$    | -        |          | 122        |          | $\dashv$ | 7        | ┪        | ┪        | _        | 1        | $\dashv$ | -        |
| -        | 23       | -  | $\vdash$   | +      | $\top$  | +       | ┪        | $\dashv$ |          | _        |            | 73       | -  | -              | -        | 1        | 7        | $\dashv$ | +                    | +                  | F        |          | 123        |          | $\dashv$ | 7        | ┪        | $\dashv$ | _        |          | $\dashv$ | -        |
|          | 24       | <del> </del>                                     | $\vdash$   | +      | +       | +       | $\dashv$ | $\dashv$ |          | $\dashv$ | $\vdash$   | 74       | ┢┈   |                | _        | _        | 一        | 十        | +                    | +                  |          |          | 124        |          | $\dashv$ | ┪        | 寸        | 一        | $\dashv$ | 1        | 十        | $\dashv$ |
|          | 25       | <del>                                     </del> | $\vdash$   | $\top$ | +       | $^{+}$  | 7        | 一        |          | $\dashv$ |            | 75       | T  |                |          | 7        | ┪        | 7        | - -                  | 11                 | -        |          | 125        |          | 十        | ┪        | ヿ        | 寸        | 7        | ┪        | 十        | _        |
| -        | 26       |  |  | 十      | $\top$  | +       | 7        | _        |          | ┪        |            | 76       |  |                |          | _        | 1        | ┪        | <b>-</b>             | $\top$             | ı        |          | 126        | $\neg$   | 7        | 7        | $\neg$   | 寸        | 1        | T        | 寸        | Т        |
|          | 27       | Г  |  | _      | 十       | 7       | 7        | $\neg$   |          |          |            | 77       |  |                |          | 寸        | T        | 寸        | $\top$               | 11                 | F        |          | 127        |          | _        | ┪        |          |          |          | 寸        | ╅        | $\neg$   |
|          | 28       | T  |  | 十      | 1       | 十       | 1        | ヿ        |          |          |            | 78       |  |                |          | 寸        |          | 7        | $\neg$               | $\top$             | ı        |          | 128        |          | T        | T        | $\neg$   | $\neg$   |          |          | T        | П        |
|          | 29       | Π  |  | T      | T       | T       | 7        | 一        |          | $\neg$   |            | 79       |  |                |          | ヿ        | T        | T        | $\neg$               | П                  |          |          | 129        |          | T        | T        |          | $\neg$   |          |          |          |          |
|          | 30       | Г  |  | 7      |         |         |          |          |          |          |            | 80       |  |                |          |          |          |          |                      |                    |          |          | 130        |          | T.       |          |          |          |          |          |          |          |
|          | 31       |  |  |        |         | T       | $\neg$   |          |          |          |            | 81_      |  |                |          |          |          |          |                      |                    |          |          | 131        |          |          |          |          |          |          |          |          |          |
|          | 32       |  |  |        |         |         |          |          |          |          |            | 82       |  |                |          |          |          |          |                      |                    |          |          | 132        |          |          | ╛        |          |          |          |          | $\perp$  |          |
|          | 33       | L  |  | ⊥      | ↓       |         |          |          |          | _        |            | 83       |  |                |          |          |          | _ .      | $\perp \!\!\! \perp$ | $\perp$            | L        |          | 133        |          | $\perp$  | _        | _        | _        |          | _        |          |          |
|          | 34       | <u> </u>   | $oxed{oxed}$                                     | 丄      |         | _       | _        | ļ        |          | _        |            | 84       | L  | Ш              | Ц        | ļ        | _        | _        | $\perp$              | Ш                  | L        |          | 134        | $\Box$   | $\perp$  | 4        | _        | _        | _        | _        | _        | _        |
| <u> </u> | 35       | <u> </u>   | $\perp \perp$                                    | 4      | _ _     | 4       | 4        | ∸∔       |          | _        | <u> </u>   | 85       | <b>⊢</b>   | Щ              |          | _        | _        | _        | $\perp$              | $\perp \downarrow$ | L        |          | 135        | $\sqcup$ | $\perp$  | 4        | _        | _        | _        | _        | _        | _        |
| <u> </u> | 36       | <u> </u>   | $\sqcup$   | 丄      | 4       | 4       | 4        |          |          | _        | <u> </u>   | 86       | <u> </u>   | Ш              |          | _        | _        | $\perp$  | $\bot$               | +                  | L        |          | 136        | $\sqcup$ | $\dashv$ | 4        | ∸┨       | _        | _        | _        | $\dashv$ | _        |
| <u> </u> | 37       | $\vdash$   | $\vdash$   | +      | +       | +       | 4        | _        |          | _        |            | 87       | $\vdash$   | Щ              | $\vdash$ |          | 4        |          | _                    | +                  | L        |          | 137        | $\dashv$ | +        | 4        | _        |          |          |          | $\dashv$ | _        |
|          | 38       | <u> </u>   | $\vdash$   | +      | +       | +       | $\dashv$ | _        |          | _        |            | 88       | <u> </u>   | $\sqcup$       | $\dashv$ |          | -        | -        | +                    |                    | ŀ        |          | 138        | $\dashv$ | $\perp$  | 4        | $\dashv$ | $\dashv$ | -        |          | +        |          |
| <u> </u> | 39       | ⊢  | $\vdash$   | +      | +       | +       | $\dashv$ |          |          |          |            | 89       | <u> </u>   |                |          |          |          | $\dashv$ |                      | $\dashv$           | F        |          | 139        | $\dashv$ | +        | 4        |          | -        | $\dashv$ | $\dashv$ | +        | _        |
| -        | 40<br>41 | $\vdash$   | $\vdash$   | +      | +       | +       | $\dashv$ |          | $\vdash$ | $\dashv$ | -          | 90       |  | $\vdash\vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | +                    | +                  | F        |          | 140        | $\dashv$ | +        | -        | -        | $\dashv$ |          |          | $\dashv$ | _        |
| <u> </u> |          | $\vdash$   | $\vdash$   | +      | +       | +       | $\dashv$ | $\dashv$ |          | $\dashv$ | -          | 91       | $\vdash$   | Н              | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |                      |                    | -        |          | 141<br>142 |          | +        | +        | $\dashv$ | $\dashv$ |          |          | $\dashv$ | _        |
|          | 42<br>43 | ├  | $\vdash \vdash$                                  | +      | +       | +       | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | -          | 92       |  | $\vdash$       | $\dashv$ | $\dashv$ |          | $\dashv$ | +                    | +                  | H        |          | 143        | $\dashv$ | +        | +        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        |
|          | 44       | $\vdash$   | $\vdash$   | +      | +       | +       | $\dashv$ | $\dashv$ |          | $\dashv$ | $\vdash$   | 94       | $\vdash$   | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -                    | +                  | <br> -   |          | 144        | $\dashv$ |          | +        | $\dashv$ | -        |          |          | $\dashv$ | _        |
| $\vdash$ | 45       | $\vdash$   | $\vdash$   | +      | +       | +       | +        | $\dashv$ | $\vdash$ | $\dashv$ | $\vdash$   | 95       | $\vdash$   | Н              | $\vdash$ | -+       | $\dashv$ | $\dashv$ | +                    | +                  | <b>-</b> | -        | 145        | -+       | +        | +        |          |          | $\dashv$ | -        | $\dashv$ | _        |
| -        | 46       | -  | $\vdash +$                                       | +      | +       | +       | +        |          | $\vdash$ | $\dashv$ | -          | 96       |  | H              | $\vdash$ | $\dashv$ | ┪        | $\dashv$ | +                    | +                  | ⊦        |          | 146        | $\dashv$ | +        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | _        |
| <u> </u> | 47       | $\vdash$   | $\vdash$   | +      | +       | +       | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\vdash$   | 97       |  | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +                    | ++                 | $\vdash$ |          | 147        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | _        |
| -        | 48       | ╁  | <del>                                     </del> | +      | ╁       | ╅       | ᆉ        |          | $\vdash$ | $\dashv$ | $\vdash$   | 98       | $\vdash$   | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +                    | +                  | $\vdash$ | $\dashv$ | 148        |          | +        | +        | $\dashv$ |          |          | $\dashv$ | ┰        | _        |
| $\vdash$ | 49       | $\vdash$   | $\vdash$   | +      | +       | +       | +        | -        |          | $\dashv$ | <b>—</b>   | 99       |  | H              | $\vdash$ | $\dashv$ | 十        | 十        | +                    | ++                 | ŀ        |          | 149        | $\dashv$ | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |
| $\vdash$ | 50       | H  | $\vdash$   | +      | +       | +       | ┪        | -        |          | $\dashv$ | $\vdash$   | 100      | Н  | $\vdash$       | $\dashv$ | $\dashv$ | 一        | $\dashv$ | +                    | +                  | ŀ        |          | 150        | $\dashv$ | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        |
| Ь        |          | Щ.   |  |        |         |         | _1       |          |          |          | Ь          |          |  |                |          | _4       |          |          | L_                   | ш                  | L        |          | 150        | 1        | L        | _1       |          |          |          |          |          | _        |